

Application No.: 10/658,962
Attorney Docket No.: 49321-102
First Applicant's Name: Mendy S. Maccabee
Application Filing Date: September 8, 2003
Final Office Action Dated: May 22, 2009
Date of Response: August 24, 2009
Examiner: Jennifer M. Kim

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Claim 1 (currently amended): A method for treating a sinus disease or promoting sinus wound healing in a subject in need thereof[[.]] ~~comprising topical administration of a formulation of~~ by topically delivering a therapeutically effective amount of a composition comprising vitamin A to a ~~nasal or sinus mucosa cavity~~ of the subject.

Claims 2-5 (cancelled)

Claim 6 (currently amended) The method of claim 1, wherein ~~topical administration comprises administration~~ the composition is topically delivered by a medium selected from the group consisting of aqueous or non-aqueous gels, solutions, ointments, salves, lotions, unguents, coatings, impregnations of packing material or sponge material or strip gauze, and combinations thereof.

Claim 7 (previously presented): The method of claim 1, wherein treating comprises affecting an indicator selected from the group consisting of increase in ciliated paranasal sinus mucosa; promotion of ciliated epithelial healing or regeneration; reduction of serous gland loss; reduction of laminar fibrosis; effect on mucociliary density change; and effect on sinus bone morphometry.

Claim 8 (previously presented): The method of claim 1, wherein vitamin A is administered at a concentration range selected from the group consisting of about 0.001% to about 0.25% (w/w); about 0.005% to about 0.025% (w/w); about 0.01% to about 0.025% (w/w), and about 0.001% to about 0.05%.

Claims 9-20 (cancelled)

Claim 21 (previously presented): The method of claim 1, wherein vitamin A is retinoic acid.

Claims 22-23 (cancelled)

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Claim 24 (previously presented): The method of claim 1, wherein the sinus disease is acute sinus disease.

Claim 25 (previously presented): The method of claim 1, wherein the sinus disease is chronic sinus disease.

Claim 26 (previously presented): The method of claim 1, wherein the subject has undergone a sinus surgery.

Claim 27 (previously presented): The method of claim 26, wherein the sinus surgery is selected from the group consisting of endoscopic sinus surgery, ethmoidectomy, endoscopic frontal sinus surgery, frontal sinusotomy, FESS (functional endoscopic sinus surgery), maxillary sinusotomy, open frontal sinus surgery, polypectomy, reduction removal of inferior turbinate, reduction removal of middle turbinate, septoplasty, sphenoidotomy, and tumor removal.

Claim 28 (currently amended): The method of claim 1, wherein the ~~formulation~~ composition is a depot formulation.